

Title (en)

OPTICAL MEASURING SYSTEM WITH ARRAYED OPTICAL RECEIVERS AND METHOD THEREOF

Title (de)

OPTISCHER MESSVORRICHTUNG MIT OPTISCHEN DETEKTORMATRIX UND ZUGEHÖRIGES VERFAHREN

Title (fr)

SYSTEME DE MESURE OPTIQUE AVEC RECEPTEURS OPTIQUES EN RESEAU ET PROCEDE ASSOCIE

Publication

EP 1508021 A4 20090916 (EN)

Application

EP 02749396 A 20020712

Priority

- KR 0201320 W 20020712
- KR 20020031637 A 20020605

Abstract (en)

[origin: WO03104757A1] The disclosure is an optical measuring system and the method thereof for precisely measuring physical characteristics of light emitted from waveguides, such as beam size, pattern, strength, focusing, collimation degree, and divergence angle, by means of a plane optical detector in which a plurality of pixels formed by a semiconductor fabrication process are arranged in an array, without specific measuring means. The light is incident into ends of the arrayed waveguides with uniform time intervals and emitted from the other ends of the waveguides to reach the optical detectors through which the physical characteristics of the light are obtained and defined arithmetically.

IPC 8 full level

G01J 1/00 (2006.01); **G01J 1/02** (2006.01); **G01J 1/42** (2006.01); **G01J 3/36** (2006.01); **G01M 11/00** (2006.01)

CPC (source: EP KR US)

G01J 1/00 (2013.01 - KR); **G01J 1/4228** (2013.01 - EP US); **G01J 1/4257** (2013.01 - EP US); **G01M 11/088** (2013.01 - EP US); **G01M 11/33** (2013.01 - EP US)

Citation (search report)

- [X] JP H07294380 A 19951110 - FURUKAWA ELECTRIC CO LTD
- [X] US 5239598 A 19930824 - WIGHT DAVID R [GB], et al
- [A] US 4760257 A 19880726 - POLLACK SLAVA A [US], et al
- See references of WO 03104757A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03104757 A1 20031218; EP 1508021 A1 20050223; EP 1508021 A4 20090916; JP 2005529324 A 20050929; JP 3901711 B2 20070404; KR 100444268 B1 20040812; KR 20030093786 A 20031211; TW 546498 B 20030811; US 2005163507 A1 20050728; US 7181101 B2 20070220

DOCDB simple family (application)

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